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सं० 21] नई दिल्ली, शनिवार, मई 26, 1979 (ज्येष्ठा 5, 1901)

No. 21] NEW DELHI, SATURDAY, MAY 26, 1979 (JYAISTHA 5, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 26th May 1979

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

19th April, 1979

392/Cal/79. Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft. Cylinder head for internal combustion engines.

393/Cal/79. Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft. Application of a method for casting a material on a pre-made work-piece with special material properties.

394/Cal/79. Personal Products Company. Increasing absorbent capacity of sanitary napking by sealing cover material to repellent barrier.

395/Cal/79. Wearn United Inc. Industrial workpiece transporting car systems.

20th April 1979

396/Cal/79. Bunker Ramo Corporation. Watertight cable connector.

397/Cal/79. Fives-Cail Babcock Process and equipment for high temperature phosphate ore burning.

398/Cal/79. F. J. Smith & Co. A/S. Production of α -alumina (April 20, 1978).

21st April 1979

399/Cal/79. Cigarette Components Limited. Smoke filters and production thereof. (April 21, 1978).

400/Cal/79. CPC International Inc. Combined dry-wet milling process for refining corn.

401/Cal/79. Pilkington Brothers Ltd. Improvements relating to cement composite materials. (November 11, 1976). [Divisional date October 31, 1977].

402/Cal/79. S. Tomita. Process for forming an anodized film over the surface of aluminium substrates.

403/Cal/79. S. Tomita. High speed aluminium anodizing.

404/Cal/79. E. I. Du Pont de Nemours and Company. Insecticidal and nematicidal carbamates.

405/Cal/79. J. M. Wirquin and A. Melamed. Heat storage in a pond containing a saturated aqueous saline solution.

406/Cal/79. Combustion Engineering, Inc. Improved low load coal nozzle.

407/Cal/79. Combustion Engineering, Inc. Low load coal bucket.

408/Cal/79. Siemens Aktiengesellschaft. Apparatus for establishing multi address and conference call connections.

409/Cal/79. Dunlop India Limited. Tyre/tube assembly.

23rd April, 1979

410/Cal/79. Mundipharma A.G. Benzimidazole and benzimidazoline derivatives

411/Cal/79. The Environmental Research Institute of Michigan. Automatic image processor.

24th April, 1979

412/Cal/79 Bechtel International Corporation Apparatus and method for slack flow elimination in a slurry pipeline

413/Cal/79 International Standard Electric Corporation Distributed control digital switching system

25th April, 1979

414/Cal/79 International Standard Electric Corporation Multiport digital switching element

415/Cal/79 International Standard Electric Corporation Expandable digital switching network

416/Cal/79 Burroughs Corporation Bubble memory chip organization—folded loop type

417/Cal/79 Veb Polygraph Leipzig Kombinat Fur Polygraphische Maschinen Und Ausrustungen Single- or multi-layer covering for sheet guide cylinders

**APPLICATION FOR PATENTS FILED AT THE
(BOMBAY BRANCH)**

27th March, 1979

86/Bom/79 Ciba-Geigy of India Limited. Process for the manufacture of Guanidine compounds

87/Bom/79 K T Mugutrao A process of manufacturing sugar from sugar cane

88/Bom/79 S S Vaidya An electronic control arrangement for controlling an electrical or non electrical parameter or set of parameters

30th March, 1979

89/Bom/79 T J David Compressor cutting and welding machine (used for Hermetic type compressor) (sealed unit)

90/Bom/79 Fleetguard Inc. Disposable fluid filters

91/Bom/79 Cummins Engine Company, Inc. A fuel system for internal combustion engine for diesel engines

92/Bom/79 Metrex Private Limited A cableway system

31st March, 1979

93/Bom/79 Mrs Prabha Ghanashyam Tasgaonkar New utensil

94/Bom/79 Mrs Prabha Ghanashyam Tasgaonkar New tawa

4th April, 1979

95/Bom/79 Shri P S Gupta MHS-SL Seal

5th April, 1979

96/Bom/79 A K Panchal Self adjustin plier

6th April, 1979

97/Bom/79 Mr U Dabir Quadruped exerciser

98/Bom/79 Khadi & Village Industries Commission Gobar gas Research and Development Centre Gas holder for gobar gas and other gas plants wherein combustible gas are formed from fermenting waste products

99/Bom/79 A S Vaidya Governors for engines and generating sets

100/Bom/79 N P Sachania Improvements in or relating to decorticating machine

**APPLICATION FOR PATENTS FILFD AT THE
(MADRAS BRANCH)**

16th April 1979

56/Mas/79 Dr G Siddhan and Mrs Annapoorani Siddhan Provision for air entry in smoking pipe, Beedies Cigars and Cigarettes (filter and non-filter types)

57/Mas/79 M M Islam Current surge protected filament

20th April, 1979

58/Mas/79 N Muthian and N Subbiah Improvements in or relating to fluorescent lamps

59/Mas/79 Mis Prabha Sridhar A pump

ALTERATION OF DATE

146407

1232/Cal/77

Ante-dated 2nd November 1974

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list

Typed of photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office

CLASS 34A & 50D

146394

Int Cl -B29d 7/00

AN EXTRNAL COOLING RING FOR COOLING AN EXTRUDED THERMOPLASTIC TUBE

Applicant: LAMINA INDUSTRIES PRIVATE LIMITED, OF 21 INDUSTRIAL ESTATE, POLOGROUND, INDORE, MADHYA PRADESH, INDIA

Inventors: DINKAR SADASHIVA DEODHAR AND HARINDRA CHUNIBHAI PATEL.

Application No 207/Bom/75 filed August 2 1975

Complete specification left August 2, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch

4 Claims

An external cooling ring for cooling an extruded thermoplastic tube said cooling ring comprising an annular chamber provided with one or more baffles a plurality of radial feed tubes provided around the outer periphery of said annular chamber for feeding air thereto at least one radial discharge outlet or opening provided along the entire inner periphery of said annular chamber for discharging air from said annular chamber onto an extruded thermoplastic tube locatable axially of said annular chamber cooling means associated with said annular chamber for maintaining the air discharge at said radial discharge outlet or opening at a predetermined low temperature, the external and remote from said annular chamber of each said radial feed tube being connectable through an air diffuser to means for supplying filtered air at variable speeds

CLASS 136C & E. 146395.

Int. Cl.-B29d 23/00.

AN IMPROVED SYSTEM FOR INFLATING A HOT TUBE EXTRUDED BY AN EXTRUDER DIE.

Applicant : LAMINA INDUSTRIES PRIVATE LIMITED, OF 21 INDUSTRIAL ESTATE, POLOGROUND, INDORE, MADHYA PRADESH, INDIA.

Inventors : DINKAR SADASHIVA DEODHAR AND HARINDRA CHUNIBHAI PATEL.

Application No. 223/Bom/75 filed August 14, 1975.

Complete specification left August 13, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

An improved system for inflating a hot tube extruded at the die opening of an extruder die in the manufacture of organic thermoplastic tubular films, said system comprising a pair of feed tubes and a common exhaust tube one end of each of which is locatable at said die opening while the other end of each of said feed tubes is independently connectable to a filtered pure gas supply source through a one way valve and the other end of said exhaust leads to an exhaust sink; one of said feed tubes being provided for feeding pure gas into the hot extruded tube for inflating it into a balloon and the other of said feed tubes being provided for admitting into said extruded tube an uniform stream of pure gas at a rate matching the rate at which the gas flows out of said common exhaust tube.

CLASS 129B. 146396.

Int. Cl.-B21d 22/20, 24/00.

A SINGLE OPERATION DEEP DRAWING TOOL FOR THE MANUFACTURE OF DEEP DRAWN BOTTLE CLOSURES OR SHELLS.

Applicant : LARSEN & TOUBRO LIMITED, OF L & T HOUSE, BALLARD ESTATE, BOMBAY-400 038, MAHARASHTRA, INDIA.

Inventors : SIVA RAMAKRISHNAN SAMU AND ASHOK GAJANAN DEOGAONKAR.

Application No. 79/Bom/76 filed March 8, 1976.

Complete specification left December 22, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A single operation deep drawing tool for the manufacture of deep drawn bottle closures or shells, consisting of a top half and a bottom half mountable respectively on the top bolster and the bottom bolster of a press, wherein said top half comprises a blanking punch cum first draw die fixed to a top plate mountable on said top bolster, a second draw die located coaxially within said blanking punch cum first draw die, a spring-loaded ejector pad slidably located within said second draw die and connectable to an ejection mechanism of the press through a knock-out rod, and a spring-loaded stripper located around said blanking punch cum first draw die and provided with a retaining collar which prevents it from slipping off said blanking punch cum first draw die, and wherein said lower half comprises a blanking die adapted to a housing fixed to a bottom plate mountable on said bottom bolster and disposed below said spring-loaded stripper, a blank holder coaxial with said blanking die and located in said housing below said blanking punch cum first draw die, a retaining collar being provided around said blank holder so as to prevent its disengagement from said housing, a first draw punch located coaxially within said blank holder and adapted to slide axially relative to said blanking punch cum first draw die and radially spaced-apart from said blank holder by an annular recess which is uniformly narrow along its lower part and uniformly broad along its upper part, said first draw punch having a circumferential recess towards its bottom end; a plurality of steel balls held within a ball holder sleeve located coaxially between said blank holder and said first draw punch, said steel balls be-

ing partly located in said circumferential recess in said first draw punch; a second draw punch fixed atop a punch holder and located coaxially within said first draw punch, said punch holder being fixed to said bottom plate; a trimming ring mounted coaxially around said second draw punch and between said punch holder and said second draw punch; first draw pressure pins supported on rubber buffers and abutting said blank holder from below for transmitting blank holding pressure to said blank holder from said rubber buffers during the first draw, second draw pressure pins supported on a spring-loaded member and abutting said first draw punch from below for providing blank holding pressure to said first draw punch when it acts as a blank holder during the second draw; and an air-jet hold extending from the bottom of the tool to the top of the second draw punch through said punch holder for moving a formed shell upwards under the thrust of an air-jet after the end of the second draw and during the upward movement of the top bolster of the press.

CLASS 101H.

146397.

Int. Cl.-G01d 3/08.

DEVICE FOR INDICATING OVER LOAD IN COMPRESSION LOAD SYSTEMS.

Applicant & Inventor : VYANKATESH BALWANT PANDITI, C/O B. M. PANDITI, DHANTOLI, NAGPUR 440012, MAHARASHTRA STATE, INDIA.

Application No. 109/Bom/76 filed April 3, 1976.

Complete Specification left March 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

1 Claim

Device for indicating over load in compression load systems comprising a bi-flanged piston cylinder system in which the input of power is through the upper flange which in turn is connected to a piston plying in a cylinder, the said piston rests on the upper wedge, the said upper wedge is capable of sliding over the corresponding lower wedge which in turn is connected to the lower flange, the said lower flange in turn is connected to the connecting rod or stem or column, which transmits the power to the work, there being provided a pair of probes each being ball rest to be able to slide in horizontal direction to actuate indicating mechanism.

CLASS 67C.

146398.

Int. Cl.-G09f 7/00.

IMPROVED SYSTEM OF DISPLAY FOR VISUAL INDICATORS.

Applicant & Inventors: PRASANNAKUMAR LAKSHMI KANT CHAKRADEO, 318, RAJA RAM MOHAN ROY ROAD, BOMBAY-400 004, MAHARASHTRA STATE, INDIA, AND SHAMKANT GANESH KULKARNI, GOPAL BHAWAN, NEAR KIRTI COLLEGE, CADELL ROAD, BOMBAY-400 028, MAHARASHTRA STATE, INDIA.

Application No. 158/Bom/77 filed May 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim

Improved system of display for visual indicators comprising plurality of segments, each segment comprises a roller bar mounted on a frame with a window, the said roller bar being supported by two pins being capable of rotating around its longitudinal axis, there being provided a permanent magnet placed at the centre and at right angle to the said longitudinal axis of the said roller bar having one side duly painted, there being provided at the back of the said frame an electromagnet; such that on energizing the coil of the said electromagnet corresponding opposite pole of the said permanent magnet will be attracted and when the direction of the current in the said coil is reversed it will result in formation of opposite polarity in the said electromagnet, resulting in rotating the said roller bar through 180°, to offer display through visual indicators.

CLASS 83A₁ & B₆.

146399.

Int. Cl.-A231 1/00.

A PROCESS FOR PREPARING NUTRITIONAL FOOD PRODUCTS.*Applicant & Inventor : SHYAM MOHAN ACHARYA, OF 155 ST. PATRICK'S TOWN, POONA-411 013, MAHARASHTRA, INDIA.*

Application No. 174/Bom/77 filed May 25, 1977.

Complete specification left April 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

16 Claims. No drawings.

A process for preparing nutritional food products such as biscuits, biscuits-like products, sweets, sweetmeats and snacks comprising :

- (i) roasting each raw material such as cereals and pulses such as herein described separately;
- (ii) mixing the roasted raw materials in predetermined quantities and pulverising or grinding them to form a first mixture of uniform mesh;
- (iii) adding optionally one or more fortifiers such as herein described, hot or cold sweeteners, additives, binding agents, fats such as herein described to the first mixture and if necessary pulverising or grinding the resulting mixture to form a second mixture of uniform mesh;
- (iv) and forming the second mixture of uniform mesh to the desired nutritional food products if necessary with water in a known manner such as herein described.

CLASS 32B.

146400.

Int. Cl.-C07c 5/24, 15/08.

A PROCESS FOR VAPOUR PHASE ISOMERIZATION OF XYLENE.*Applicant : MOBIL OIL CORPORATION, OF 150 EAST 42ND STREET, NEW YORK, NEW YORK, 10017, UNITED STATES OF AMERICA.**Inventors : KENNETH MICHAEL MITCHELL AND JOHN JAMES WISE.*

Application No. 1778/Cal/77 filed December 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings

In a process for obtaining p-xylene by vapour phase isomerization of a mixture of xylenes containing alkyl aromatic compounds having 8 carbon atoms; the improvement which comprises conducting the isomerization reaction in the presence of a catalyst consisting essentially of an aluminosilicate crystalline zeolite having a silica to alumina ratio of at least 12 and a constraint index of 1 to 12 at a partial pressure of said eight carbon atom alkyl aromatic compounds substantially free of peroxides below 100 pounds per square inch, a temperature of about 500°F. to about 800°F. and a space velocity of 3 to 13 pounds of said eight carbon atom aromatic compounds per pound of said zeolite per hour.CLASS 32F₄b.

146401.

Int. Cl.-C07d 55/02.

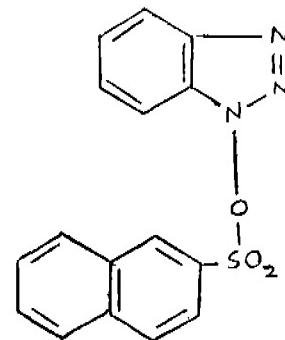
A PROCESS FOR THE SYNTHESIS OF 1-β-NAPHTHALENE-SULPHONYLOXY BENZOTRIAZOLE.*Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.**Inventors : BALEKUDRU DEVADAS, AND KRISHNA BEHARI MATHUR.*

Application No. 155/Del/77 filed July 8, 1977.

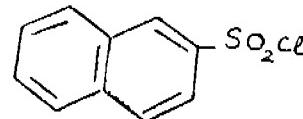
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

1 Claim

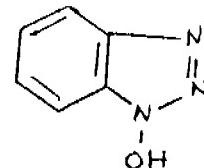
A process for the synthesis of 1-β-naphthalenesulphonyloxy benzotriazole, having the formula III.



which consists in the reaction of β-naphthalenesulphonyl chloride (formula-I).



with 1-hydroxybenzotriazole (formula II)



in a 1 : 10 mixture of water and acetone, in the presence of equimolar quantity of sodium hydroxide.

CLASS 70C4 & C5.

146402.

Int. Cl.-C23b 5/46.

IMPROVEMENTS IN OR RELATING TO A PROCESS THE ELECTRODEPOSITION OF BRIGHT CADMIUM ON STEEL SURFACES.*Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.**Inventors : BALKUNJE ANANTHA SHENOI AND MRS. MALATHY PUSHPAVANAM.*

Application No. 1176/Cal/76 filed July 2, 1976.

Complete specification left October 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims. No drawings

An improved process for the electrodeposition of cadmium on steel surfaces from cyanide with comprising cadmium oxide, sodium cyanide and sodium hydroxide, wherein the improvement consists in adding to the cyanide bath 0.8 to 2 ml/l of oxidised polyvinyl alcohol, 1-2 g/l of a metal gluconate and 1-2 ml/l of furfural ethanolamine complex as brighteners.

CLASS 128K & 143D.

146403.

Int. Cl.-A61 17/02.

A DIRECT DISPENSING SURGICAL SUTURE LABEL.*Applicant : AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.*

Inventors : SEYMOUR BLACK AND DAVID C. MACRITCHIE.

Application No. 1764/Cal/77 filed December 23, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A direct dispensing surgical suture label comprising a back panel; a strand cover flap adjacent said back panel; two side flaps adjacent opposite sides of said back panel containing inner and outer score lines and a needle retention slit; a label cover flap having rounded corners adjacent said back panel and opposite said strand cover flap; a needle protection flap adjacent said back panel and said label cover flap having rounded corners and having a diagonal cut adjacent said label cover flap forming a notch between said needle protection flap and said label cover flap; whereby when said strand cover flap is folded over said back panel and said side flaps are folded over said strand cover flap and a surgical suture strand is contained between said back panel and said strand cover flap with the end of said surgical suture placed over and in said needle retention slit and said label cover flap and said needle protection flap are folded over said flaps such that when said needle protection flap is lifted, the end of said surgical suture in said needle retention slit is directly dispensed from said label.

CLASS 32F_a & 55D_a.

146404.

Int. Cl. C07c 79/22.

A PROCESS FOR PREPARING THREO-1-PHENYL-2-NITRO-1, 3-PROPANEDIOL DIACETATE.

Applicant : EGYPT GYOGYS ZERVEGYES ZETI GYAR, OF 30, KERESZTURI UT, BUDAPEST X, HUNGARY.

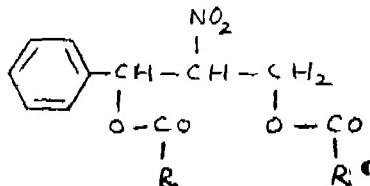
Inventors : LASZLO LEVAI, DR. GYULA MIKITE AND DR. ATTILA KIS-TAMAS.

Application No. 947/Cal/77 filed June 24, 1977.

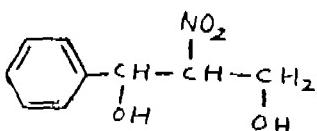
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process for preparing a nitroalcohol derivative of the general formula I.



wherein R is C₁—₂₀ alkyl group or a phenyl or phenyl-C₁—₃ alkylene group having optionally one or more C₁—₃ alkyl or halogen substituents on the phenyl ring, in which 1-phenyl-2-nitro-1, 3-propandiol of the formula II.



or an alkali metal salt thereof treated in a solvent such as hereinbefore defined or in the absence of any solvent with an appropriate acylating agent such as hereinbefore defined at a temperature not exceeding 90°C.

CLASS 40-I.

146405.

Int. Cl. A61b 5/00.

METHOD OF MAKING REAGENT TEST DEVICE.

Applicant : ALFA-LAVAL AKTIEBOLAG, POOT-FACK, S-14700 TUMBA, SWEDEN.

Inventor : MRS. ANN-MARIE MARTA SKYLE GRONBERG.

Application No. 882/Cal/77 filed June 14, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Method of making a reagent test device, comprising a carrier and at least two substances such as hereinbefore described which in combination is capable of indicating any occurrence of certain enzyme in a sample, wherein said substances dissolved in appropriate solvents are applied directly to one surface of the carrier by conventional printing techniques, such that substances remain on the said surface separated by a predetermined inter space along the surface.

CLASS 90B & H.

146406.

Int. Cl. C0 3b 17/00.

GLASSWARE FORMING MACHINE OF THE IS TYPE WITH IN-LINE MOLD MOTION.

Applicant : EMHART INDUSTRIES, INC., OF 426 COLT HIGHWAY, FARMINGTON, CONNECTICUT, UNITED STATES OF AMERICA.

Inventors : HERMANN NEBELUNG AND EDWARD CHARLES CHRISTOPHER.

Application No. 990/Cal/76 filed June 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

In a glassware forming machine of the type having several side-by-side sections each such section including :

- (a) a blank mold station for receiving the gobs of glass and forming said gobs into parisons,
- (b) parison transfer means for moving the parisons out of the blank station, and
- (c) a blow mold station for receiving the transferred parisons and final forming them, the improvement comprising,
- (d) means defining fixed horizontally extending ways at one of said stations, which ways are oriented normal to the path of movement of said parisons between said blank and blow stations,
- (e) mold holder means slidably received on said fixed ways for supporting mold segments thereon for parallel movement toward and away from one another, and
- (f) means for moving said mold holder means in synchronism with one another.

CLASS 32F_ab.

146407.

Int. Cl. C07c 57/04.

PROCESS FOR THE PREPARATION OF UNSATURATED ACIDS BY CATALYTIC OXIDATION.

Applicant : THE STANDARD OIL COMPANY, OF MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

Inventors : SERGE ROMAN DOLHYJ AND ERNEST CARL MILBERGER.

Application No. 1232/Cal/77 filed August 8, 1977.

Division of Application No. 2404/Cal/74 filed November 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for the production of unsaturated acids by the oxidation of compound having general formula CH₂=CR-CHO wherein R is hydrogen or methyl, in the presence of steam at

a temperature of 200° to 500°C in the presence of a catalyst characterized in that the catalyst consists of oxides or oxide complexes of cerium, tungsten, vanadium and molybdenum plus optionally one or more of oxides/oxide complexes of Fe, Co, Ni, Zn, Cu, Mg, Mn, Bi, Ti, Zr, Sn, P, an alkali metal an alkaline earth metal lanthanum or an element of the lanthanoid series excluding cerium.

CLASS 32F, a.

146408.

Int. Cl.-C07c 47/00.

IMPROVED HYDRO FORMYLATION PROCESS.

Applicant : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventors : DENNIS GLEN MORRELL, PAUL DWIGHT SHERMAN, JR.

Application No. 94/Cal/78 filed January 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

35 Claims.

In a process for hydroformylating an alpha-olefin to produce aldehydes having one more carbon atom than the alpha-olefin by reacting the alpha-olefin with hydrogen and carbon monoxide in a liquid reaction medium which contains a soluble rhodium complex catalyst consisting essentially of rhodium complexed with carbon monoxide and a triarylphosphine ligand, and in the presence of free triarylphosphine, the improvement comprising improving the stability of the catalyst by providing in the liquid reaction medium containing the catalyst an amount of an alkyldiarylphosphine ligand, and controlling the reaction conditions to a temperature of from about 100 to about 140°C, a total gas pressure of hydrogen, carbon monoxide and alpha-olefin of less than about 450 pounds per square inch absolute, a carbon monoxide partial pressure of less than about 55 pounds per square inch absolute, a hydrogen partial pressure of less than about 200 pounds per square inch absolute, and at least about 75 moles of total free phosphine ligand for each mole of catalytically-active rhodium metal present in the rhodium complex catalyst which consists essentially of rhodium complexed with carbon monoxide and one or both of said triarylphosphine and said alkyldiaryl-phosphine.

CLASS 39L.

146409.

Int. Cl.-C01f 7/02.

IMPROVED METHOD OF PREPARING γ -ALUMINA.

Applicant : FERTILIZER CORPORATION OF INDIA LIMITED, P. O. SINDRI, DIST.-DHANBAD, BIHAR, INDIA, A COMPANY REGISTERED IN INDIA AT F-43, KING ROAD, SOUTH EXTENSION AREA, PART-I, NEW DELHI-49.

Inventors : Dr. DEBENDRA KUMAR SAHU AND SRI JYOTIRINDRA MOHAN SARKAR.

Application No. 130/Del/77 filed June 10, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Delhi Branch.

8 Claims. No drawings.

A process for the manufacture of γ -alumina which comprises preparing aluminium basic carbonate from an aluminium compound as herein described and ammonium bicarbonate removing the by-product of ammonium salt thus formed and recovering same if desired, followed by subjecting the basic aluminium carbonate to a step of hydrolysis, if desired with petization, to obtain boehemite which is thereafter pelletized or extruded and cured to obtain γ -alumina.

CLASS 100 & 135.

146410.

Int. Cl.-F02d 33/02.

A METHOD OF OPERATING A COMBUSTION ENGINE AND COMBUSTION ENGINE FOR CARRYING OUT THIS METHOD.

Applicant & Inventor : CORNELIS HUBERS, OF 11, SLINGERLAANTJE, HARDERWIJK, THE NETHERLANDS.

Application No. 2217/Cal/75 filed November 20, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method of operating an external combustion engine, comprising the steps of drawing in high pressure supercharged air to the engine at the beginning of the compression part of the engine cycle, cooling by conventional method the supercharge air before it enters the compression part of the engine cycle to lower the temperature and pressure of the air with increasing engine load so that the theoretical thermal efficiency is substantially maintained at a predetermined level independently of the engine load, the degree of cooling being controlled by a sensing element which compensates for the change in working pressure or working temperature with change in engine output, passing the cooled air to a separate combustion gas supplying apparatus, generating combustion gases in the combustion gas supplying apparatus, charging said combustion gases at a constant pressure and constant working temperature to the engine while maintaining the charging period constant, and regulating the fuel supply to said combustion gas supplying to regulate the power of the engine such that the compression curve automatically varies according to the intensity of the cooling.

CLASS 15C & 172D, a.

146411.

Int. Cl.-F16c 17/00, D01h 7/04.

A BEARING FOR MOUNTING A ROTOR OF OPEN-END SPINNING TURBINE.

Applicant : TELDIX G.M.B.H., OF GRENZHOFER WEG 36, D-6900 HEIDELBERG 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : GERHARD QUANDT AND WERNER RIES.

Application No. 998/Cal/76 filed June 9, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

A bearing for the rotor of an open ended spinning turbine comprising a bearing bush supplied with lubricating oil, and flexibly mounted on the stator a pin connected to the rotor and mounted for rotation in this bearing bush, the pin including a ring, an edge surface of which co-operates with an edge surface of the bearing bush to form an axial sliding bearing for the rotor, and a return flow channel for the oil starting from the outer circumference of the axial sliding bearing for return of the lubricating oil which is flung out and a narrow annular clearance provided in the return flow channel in the vicinity of the axial sliding bearing to provide a construction such that the lubricating oil escaping in the region of the axial bearing is restricted.

CLASS 69D.

146412.

Int. Cl.-H01h 50/46.

MINIATURE RELAY.

Applicant : BUNKER RAMO CORPORATION, OF 900 COMMERCE DRIVE, OAK BROOK, ILLINOIS, UNITED STATES OF AMERICA.

Inventors : ERNST BRACHER AND WOLFGANG ADALBERT SCHROTTER AND WOLFGANG HEIDER.

Application No. 1650/Cal/76 filed September 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

13 Claims.

A miniature relay comprising : a housing including a base and a lid said base having a plurality of recesses therein for receiving and supporting electromechanical elements for said relay in predetermined positions said lid closing a side of said housing base and having contours on its inner surface to aid in positioning the electro-mechanical elements in said predetermined positions;

a plurality of connector pins penetrating the bottom of said housing arranged in a row and lying in a common plane;

at least two contacts supported in said housing and connected to respective ones of said connector pins;

a solenoid coil supported in said housing the axis of said solenoid coil located in said common plane, said coil having a pair of lead wires connected to respective ones of said pins and

an armature movable by energization of said solenoid coil and engageable with at least one of said contacts to effect selective opening and closing of said contacts.

CLASS 107F.

146413.

Int. Cl.-F02b 9/00.

TRANSISTOR IGNITION CIRCUIT FOR AN INTERNAL COMBUSTION ENGINE.

Applicant : SOLO INDUSTRIES PTY. LIMITED, OF 15-21, REYNOLDS STREET, BALMAIN, NEW SOUTH WALES, AUSTRALIA.

Inventors : JOHN ARTHUR NOTARAS, ANGELO LAMBRINOS NOTARES AND JAMES PRICE WILLIAMS.

Application No. 1857/Cal/76 filed October 11, 1976.

Convention date October 23, 1975/(PC 3692/75) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta

17 Claims.

An ignition circuit for an internal combustion engine having a coil assembly including a primary winding with two ends and a magnet carrying rotor rotatable by said engine past said primary winding, said ignition circuit comprising : first and second transistors each having a collector, a base and an emitter, a first resistor and a potential divider wherein the collector of the first transistor is directly connected to one end of said primary winding and the emitter of the first transistor is directly connected to the other end of said primary winding, the second transistor has its collector-emitter conduction path connected in parallel with the base-emitter conduction path of said first transistor said first resistor is connected between the base and collector of the first transistor said potential divider is directly connected across the ends of said primary winding, and the base of said second transistor is connected to a point of intermediate potential on said potential divider; whereby rotation of said rotor induces a voltage between the ends of said primary winding to cause said first transistor to conduct current from said primary winding directly through the collector-emitter conduction path of said first transistor without said first transistor being saturated, said second transistor being turned on by said intermediate potential to turn said first transistor off when said current exceeds a predetermined value.

CLASS 67C & 206E.

146414

Int. Cl.-G08b:

PERIODIC WAVEFORM VOLTAGE LEVEL DETECTING APPARATUS

Applicant : THE GENERAL ELECTRIC COMPANY LIMITED, OF 1 STANHOPE GATE, LONDON W1A 1EH ENGLAND

Inventors : ANTHONY WILLIAMS AND ADRIAN ORTON NEWBOULD

Application No. 2088/Cal/76 filed November 22, 1976

Convention date December 8, 1975/(50190/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

8 Claims.

A periodic waveform voltage level detecting apparatus comprising : a level detector for producing pulses of duration representative of the periods during which the instantaneous value of a periodic waveform voltage at its input exceeds a reference value; and timing means for producing an output pulse in response to each output pulse of the level detector that has a duration of predetermined relationship to a predetermined value, said timing means comprising a first timer for producing in response to each output pulse of the level detector a pulse of duration equal to said predetermined value or the same duration as the output pulse of the level detector, whichever is the shorter, and means, arranged to receive each output pulse of the level detector and each output pulse of the first timer, for producing an output pulse in response to each output pulse of the level detector of greater duration than the corresponding output pulse of said timer.

CLASS 150G.

146415.

Int. Cl.-F161 23/00.

IMPROVEMENTS IN OR RELATING TO A FLUID-TIGHT PIPE COUPLING ARRANGEMENT.

Applicant : SOCIETE D'ETUDES DE MACHINES THERMIQUES—S.E.M.T., OF 2, QUAI DE SEINE, 93202 SAINT DENIS, FRANCE.

Inventor : ALBERT HAUG.

Application No. 2193/Cal/76 filed December 13, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

3 Claims.

A fluid-tight coupling system between two pipe sections comprising two flanges integral with said pipe sections, respectively, and a clip adapted to tightly clamp said flanges in bearing relationship against each other, the engaging faces of said flanges being substantially flat, wherein the improvement consists in that one of said flanges has a substantially conical shape whereas the other flange has a substantially cylindrical shape and said clip is formed with a clamping groove having a complementary cylindroconical shape.

CLASS 23G & 42A.

146416.

Int. Cl.-B65b 19/00.

APPARATUS FOR FORMING GROUPS MADE UP BY A PLURALITY OF SIDE-BY-SIDE POSITIONED PILES OF PARALLELEPIPEDON SHAPED ARTICLES.

Applicant : G. D. SOCIETA PFR AZIONI, OF VIA POMPONIA, 10-BOLOGNA, ITALY.

Inventor : SERAGNOLI ENZO.

Application No. 331/Cal/77 filed March 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

4 Claims.

Apparatus for forming groups made up by a plurality of side-by-side positioned piles of parallelepipedon shaped cigarette packets, delivered by a high speed wrapping machine, and which groups have to be supplied to a parcelling or cartoning machine, the apparatus including a rejecting and replenishment device for rejecting defective piles and for replenishing said defective piles with non-defective piles, characterized in that the apparatus comprises a vertically and reciprocatingly movable pile forming means, positioned upstream of said rejecting and replenishment device, for forming piles of a preselected number n of articles; first and second means synchronously and reciprocatingly moving with a frequency equal to $1/n$

that of said pile forming means, said first means being for feeding individual piles into said ejecting and replenishment device, and said second means being for sequentially removing piles from said ejecting and replenishment device, and for feeding successive piles along an existing channel, from which individual complete groups made up by a plurality of side-by-side positioned piles are conventionally fed to said parcelling or cartoning machine.

CLASS 98G & 151F.

146417.

Int. Cl.-B21d 15/04.

HEAT TRANSFER TUBE AND METHOD OF MAKING SAME.

Applicant : UOP INC., TEN UPO PLAZA ALGONQUIN AND MT. PROSPECT ROADS, DES LAINES, ILLINGS, U.S.A.

Inventors : JAMES LEE CUNNINGHAM and BONNIE JACK CAMPBELL.

Application No. 611/Cal/77 filed April 22, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A method of making a heat transfer tube having inner and outer fins comprising the steps of inserting a core member having a plurality of radially extending longitudinal fins inside a smooth surfaced cylindrical tube and subjecting at least a portion of the outside surface of the composite assembly to a plurality of finning tools so as to produce external fins on the tube and reduce its internal diameter to a dimension less than the external diameter of the finned core member.

CLASS 32F2b & F2c.

146418.

Int. Cl.-C07c 145/00.

REFINING PROCESS FOR CRUDE SACCHARIN-SODIUM CONTAMINATED BY ORGANIC SUBSTANCES.

Applicant : CHIMICASA GMBH., CF SCALETTAS-TRASSE 26, CH-7000 CHUR, SWITZERLAND.

Inventors : DR. ROLF DEININGER AND DR. ERICH WOLF.

Application No. 1092/Cal/77 filed July 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A refining process for crude saccharin-sodium contaminated by organic substances, wherein methylene-chloride is used to extract these impurities in vertically oriented countercurrent extraction on a 30 to 30% aqueous solution of crude saccharin-sodium adjusted to a pH of 4.5 to 6.0.

CLASS 63-J.

146419.

Int. Cl.-H02k 49/00.

MAGNETIC PARTICLE CLUTCH.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI, INDIA.

Inventors : Dr. SUSHIL KUMAR BASU AND DR. HARIJAN BAGCHI.

Application No. 70/Del/76 filed December 22, 1976.

Complete specification left July 11, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

A magnetic particle clutch comprising input and output shafts, rotors therefor, placed in bearing housings fitted with coils enclosed within coil covers, the coils being connected through terminals to external source of power wherein ferromagnetic iron powder is put in the grooves of the output rotor to obtain an assembly whose input and output members are fully concentric and there is no physical contact between input and output rotors.

CLASS 6A_a.

146420.

Int. Cl.-F01p 1/06.

IMPROVEMENTS IN OR RELATING TO ELECTRIC MOTOR DRIVEN AIR COMPRESSORS.

Applicant : K. G. KHOSLA COMPRESSORS LIMITED, 1, DESHBANDHU GUPTA ROAD, NEW DELHI-110 055 (INDIA).

Inventor : Mr. KRISHAN GOPAL KHOSLA.

Application No. 156/Del/77 filed July 11, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

A cooling device cum flywheel for an electric motor driven air compressor comprises of suction fan installed on the extended shaft at the free rotating rear end of the electric motor used for operating the compressor; a cylindrical duct having its inlet end in front of the said fan to draw the current of air produced by the said fan and transferring and releasing from its other end (outlet end) on to the compressor body characterised in that the hub and the rim of the said fan are made heavier and slightly larger in size than actually required for a fan for enabling it to simultaneously act as a flywheel for the compressor.

CLASS 67A & 206E.

146421.

Int. Cl.-H03k 17/00.

ELECTRONIC APPROACH DETECTOR SWITCH.

Applicant and Inventor : KALCHAR GANESHA, B-223 NARAINA INDUSTRIAL AREA, PHASE-1, NEW DELHI-110028 (INDIA).

Application No. 157/Del/77 filed July 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

An electronic approach detector switch comprising of an sensor plate, touching which from the interior is a metallic electrode shielded by a second metal plate and an electronic d.c. amplifier that consists of an electrometer preamplifier, a high gain amplifier followed by a switching circuit and a power supply circuit.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

134010 134845 134949 134950 135213 135237 136111 136114
136126 136127 136128 136129 136138 136142 136143 136145
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130892 133701 133990 133991 134768 134951 135267 136110
136113 136115 136116 136117 136118 136119 136120 136121
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94812 100377 129209 132126 136851.

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PATENTS SEALED

141639 143791 143799 143805 143813 143854 143861 143956
143982 143986 143987 143988 144160 144289.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.
(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

1085951. . . M/s. Greaves Foseco Limited.

RENEWALS FEES PAID

93199 93280 93346 93406 93606 93849 93945 95806 96451
96452 96454 96479 96480 96533 98694 98849 98942 99088
99099 99354 99453 99462 99517 99633 99660 99689 99699
99/25 99794 99829 99830 99876 99897 99970 100098 100138
100139 100351 100536 101013 101259 103067 104760 104998
105139 105159 105216 105218 105380 105391 105415
105448 105455 105485 105504 105508 105528 106067 106741
108145 109709 109784 109835 109897 109949 110139 110235
110263 110403 110425 110465 110492 110508 110563 110574
110636 110657 110677 110696 110721 110731 110787 110813
110815 110825 110830 111043 111187 111201 113359 114433
115243 115333 115378 115379 115383 115384 115385 115394
115412 115439 115481 115505 115568 115572 115583 115632
115708 115710 115756 115783 115800 115804 115833 115835
115923 115924 115973 116011 116012 116017 116094 116095
116096 116107 116111 116192 116549 117386 120846 120847
120994 120995 121001 121027 121037 121132 121148 121189
121199 121210 121239 121285 121305 121306 121307 121319
121335 121375 121392 121438 121451 121463 121477 121483
121541 121635 123503 124383 125720 126030 126091 126125
126127 126240 126252 126260 126353 126444 126446 126512
126540 126555 126657 126668 126671 126699 126757 126791
126857 127497 128303 129108 129425 129916 130859 130861
130891 130923 131055 131127 131149 131150 131154
131290 131311 131347 131348 131400 131402 131425 131462
131501 131510 131523 131533 131534 131552 131677 131678
133921 134839 134998 135003 135126 135218 135219 135234
135365 135492 135517 135551 135622 135629 135641 135699
135701 135818 135825 135839 136105 136229 136242 136272
136303 136353 136431 136638 136843 137016 137017 137220
137370 137542 137611 137839 137918 137974 138007 138008
138020 138047 138189 138194 138288 138401 138517 138639
138790 138891 138918 138952 139008 139022 139072 139125
139186 139189 139231 139237 139258 139266 139343 139352
139456 139536 139621 139667 139741 139756 139773 139777
139901 139916 139970 139986 139987 140119 140155 140275
140357 140393 140537 140679 140716 140821 140934 141126
141142 141172 141173 141176 141191 141416 141465 141644
141727 141762 141780 141781 141791 141915 142003 142092
142129 142142 142191 142203 142222 142226 142228 142361
142407 142408 142424 142428 142489 142521 142626 142633
142668 142678 142744 142785 142789 142874 142966 143023
143156 143189 143202 143229 143316 143359 143397 143413
143437.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 40 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Nil.

2—77GI/79

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Design Nos. 141393, 141908, 141909, 142313 & 142378. . .

Class 1.

Design Nos. 141153, 141352, 141467, 141658, 141676, 143279 & 143280. Class 3.

Design No. 142606 Class 4.

Design No. 141468 Class 12.

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Design Nos. 141908, 141909 & 142313 Class 1.

Design Nos. 143279 & 143280. Class 3.

Design No. 142606. Class 4.

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34. Miss Nandini S. Shah, 20th Road, Khar, Bombay-400052.
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